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*AN ART CONSERVATION EQUIPMENT COMPANY*

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*EQUIPMENT, SUPPLIES, AND SERVICES FOR INSTITUTIONS AND INDIVIDUALS*

## **Carusorb Chemisorbant Media information sheet**

Carusorb comes packaged in a plastic bag to cut it off from the air. Once it is removed from the bag, it starts reacting and removing contaminants from the air. Carusorb starts out purple and turns brown as it is saturated and no longer able to absorb.

The best way to package it inside of a case is to create porous sachets, such as with hollytex or some other permeable fabric so that air can come into contact with the Carusorb. Because it is the absorption of contaminants and not the actual contact with air itself that causes the Carusorb to be spent, either use small amounts and remove/replace them at regular intervals, or a large amount and let it sit longer to continue working.

Here is the breakdown of how Carusorb absorbs contaminants:

HYDROGEN SULFIDE: 8% minimum by weight

SULFUR DIOXIDE: 4.0% minimum by weight

NITRIC OXIDE: 2.8% minimum by weight

FORMALDEHYDE: 1.4% minimum by weight

This means that 400 grams (about 1 pound) will remove 32 grams of Hydrogen Sulfide, 16 grams of Sulfur Dioxide, 11 grams of Nitric Oxide and 5 grams of Formaldehyde, total. The easiest way to determine how much is absorbed is to inspect the Carusorb at regular intervals and remove saturated (brown) pieces. How long it takes is going to depend on the air purity of the display.

### **Disposal:**

Although special precautions are generally not required when disposing of spent media, government regulations may require specific disposal procedures if the resulting product could be harmful to the environment.

Independent laboratory analysis for Environmental Protection Agency toxicity characteristics may be required if the contaminants eliminated from your environment include heavy metals and pesticides.

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